

Query Match 88.2%; Score 2387; DB 2; Length 371; Best Local Similarity 86.3%; Pred. No. 6.63e-204; Matches 321; Conservative 32; Mismatches 17; Indels 2; Gaps 2;

Db 1 MATTCTSNIFNFSAMYSSDYLAVPPRATFADDLWILSNQMSLEGTERASWL 60
 1 MATCTCTSNFVNFYNAFMYSSDPTLAPPT-TFGFEDLVLTINQOMTLEGPERASWT 59
 Qy 61 GEQPQFNSKTOVLWDWISQYVERKNKYDAISDFSRCDMDGATCNCALLELRUVFPGDQ 120
 60 SERPQFSKTOVLWISQYVERKNKYDASSIDESRCRDGATCSCAELRLVFGFLSDQ 119
 Db 180 HPGSGAGAPSGSDVSTAGGASRSRSHSSSGSGSDVLDTDKGKPFSDGFRCKGD 239
 121 LHAQRLDTSSSSDELSSWIELLEKDMAFQFALL-DPGFEDGSPRQELADDGQASPY 179
 120 LHAQRLDTNSSDDELSSWIELLEKDMNSFOBSLGLDGFEDGSPRQELADDGQASPY 179
 Qy 240 PRKGRRKGRGPRLKSKKEYWDCELEGKKSXKHPGRTHMWFIRDLILHPELNEGLMKWNHR 299
 Db 300 EGVKFRLSERAVQALWQGOKKNSNMTYKLSRAMRYYKRETLERYDGRRLVYKFGRNS 359
 Qy 300 EGVKFRLSERAVQALWQGOKKNSNMTYKLSRAMRYYKRETLERYDGRRLVYKFGRNS 359
 Db 360 GREEVEYLQSRN 371
 Qy 360 GREEVEEVGESRN 371

RESULT 2 ID US-08-469-412A-15 STANDARD; PRT: 80 AA.
 XX ID US-08-469-412A-15 STANDARD; PRT: 80 AA.
 XX AC XXXXXX

XX DT
 XX DE
 XX DE Sequence 15, Application US/08469412A
 XX DE Sequence 15, Application US/08469412A
 CC Sequence 15, Application US/08469412A
 CC Patent No. 5856125
 CC GENERAL INFORMATION:
 CC APPLICANT: Mavrothalassitis, George J.
 CC APPLICANT: Blair, Donald G.
 CC APPLICANT: Fisher, Robert J.
 CC APPLICANT: Beal Jr., Gregory J.
 CC APPLICANT: Athanasiou, Meropi A.
 CC APPLICANT: Sgouras, Dionyssios N.
 CC TITLE OF INVENTION: The ERF Genetic Locus and Its Products
 CC NUMBER OF SEQUENCES: 16
 CC CORRESPONDENCE ADDRESS:
 CC ADDRESSEE: Townsend and Townsend and Crew LLP
 CC STREET: Two Embarcadero Center, Eighth Floor
 CC CITY: San Francisco
 CC STATE: California
 CC COUNTRY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: PatentIn Release #1.0, Version #1.30
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/368,281
 CC FILING DATE: 05-JUN-1995
 CC CLASSIFICATION: 435
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Garrett-Packowski, Eugenia
 CC REGISTRATION NUMBER: 37,330

RESULT 3 ID US-08-368-281-2 STANDARD; PRT: 521 AA.
 XX ID US-08-368-281-2 STANDARD; PRT: 521 AA.
 XX AC XXXXXX

XX DT
 XX DE Sequence 2, Application US/08368281
 XX DE Sequence 2, Application US/08368281
 CC Sequence 2, Application US/08368281
 CC GENERAL INFORMATION:
 CC APPLICANT: Libermann, Tovia A
 CC Patent No. 5721113
 CC GENERAL INFORMATION:
 CC APPLICANT: Libermann, Tovia A
 CC APPLICANT: Oettgen, Joerg P
 CC APPLICANT: Kunsch, Charles A
 CC TITLE OF INVENTION: NERF Genes
 CC NUMBER OF SEQUENCES: 9
 CC CORRESPONDENCE ADDRESS:
 CC ADDRESSEE: SmithKline Beecham Corporation
 CC STREET: 709 Sweden Road
 CC CITY: King of Prussia
 CC STATE: Pennsylvania
 CC COUNTRY: USA
 ZIP: 19406
 COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: PatentIn Release #1.0, Version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/368,281
 CC FILING DATE: 05-JUN-1995
 CC CLASSIFICATION: 434
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Baumleiter, Kirk
 CC REGISTRATION NUMBER: 33,833
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: 610-270-5096
 CC TELEFAX: 610-270-5090
 CC INFORMATION FOR SEQ ID NO: 2:
 CC SEQUENCE CHARACTERISTICS:
 LENGTH: 521 amino acids

CC TYPE: amino acid
 CC TOPOLOGY: linear
 CC MOLECULE TYPE: protein
 CC SEQUENCE 521 AA; 56108 MW; 1518611 CN;
 SQ

Query Match 13.0%; Score 353; DB 1; Length 521;
 Best Local Similarity 44.6%; Pred. No. 7.17e-20; Mismatches 29; Indels 1; Gaps 1;
 Matches 41; Conservative 21; Mismatches 29; Indels 1; Gaps 1;

Db 126 KKPREGKNTTYLWERFLDLQDKNTCPYKWTQREKGIFKLVDKSKAVRLWKGKHNKP 185
 Qy 264 KRSKHA-PGTHLWEFIRDILHPELNEGLMRKWNHEGVFLRSEAVAOQLWQKKNS 322
 Qy 323 NMTYERLISRAMYYKREILERVDSRRLVYKF 354

RESULT 4
 ID US-08-368-281-4 STANDARD; PRT; 581 AA.
 XX XXXXXX

Sequence 4, Application US/08368281
 Sequence 4, Application US/08368281
 Patent No. 5721113

GENERAL INFORMATION:
 APPLICANT: Liebermann, Tonia A
 APPLICANT: Oetiggen, Joerg P
 APPLICANT: Kunsch, Charles A
 TITLE OF INVENTION: NERF Genes
 NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
 ADDRESSEE: SmithKline Beecham Corporation
 STREET: 709 Swedeland Road
 CITY: King of Prussia
 STATE: Pennsylvania
 COUNTRY: USA
 ZIP: 19405

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/368, 281
 FILING DATE:
 CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
 NAME: Baumeister, Kirk
 REGISTRATION NUMBER: 33, 833
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-270-5096
 TELEFAX: 610-270-5096

INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 581 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SQ SEQUENCE 581 AA; 62584 MW; 1880568 CN;

Query Match 13.0%; Score 353; DB 1; Length 581;
 Best Local Similarity 44.6%; Pred. No. 7.17e-20; Mismatches 29; Indels 1; Gaps 1;
 Matches 41; Conservative 21; Mismatches 29; Indels 1; Gaps 1;

Db 186 KKPREGKNTTYLWERFLDLQDKNTCPYKWTQREKGIFKLVDKSKAVRLWKGKHNKP 245
 Qy 264 KRSKHA-PGTHLWEFIRDILHPELNEGLMRKWNHEGVFLRSEAVAOQLWQKKNS 322
 Qy 323 NMTYERLISRAMYYKREILERVDSRRLVYKF 354

RESULT 5
 ID US-08-469-412A-12 STANDARD; PRT; 79 AA.
 XX XXXXXX

Sequence 12, Application US/08469412A
 Sequence 12, Application US/08469412A
 Patent No. 5856125

GENERAL INFORMATION:
 APPLICANT: Mavrothalassitis, George J.
 APPLICANT: Blair, Donald G.
 APPLICANT: Fisher, Robert J.
 APPLICANT: Beal Jr., Gregory J.
 APPLICANT: Athanasiou, Meropi A.
 APPLICANT: Sgouras, Dionissios N.
 TITLE OF INVENTION: The ERF Genetic Locus and Its Products
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3934

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/469,412A
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
 NAME: Garrett-Wackowski, Eugenia
 REGISTRATION NUMBER: 37, 330
 REFERENCE/DOCKET NUMBER: 015280-229000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 79 amino acids

FEATURE:
 LOCATION: Domain
 NAME/KEY: Domain
 OTHER INFORMATION: /note= "ELK1 homologous region to
 CC OTHER INFORMATION: ets-like ERF DNA-binding domain"
 CC SEQUENCE 79 AA; 9515 MW; 33360 CN;

Query Match 12.2%; Score 331; DB 2; Length 79;
 Best Local Similarity 45.0%; Pred. No. 5.39e-18; Mismatches 17; Indels 1; Gaps 1;
 Matches 36; Conservative 26; Mismatches 17; Indels 1; Gaps 1;

Db 1 LWQFLQLL-REQNGHITISWTSDGEEFKLVDAAEVARWGLRKNTNNYDKLSRALR 59
 Qy 275 LWEFIRDILHPELNEGLMRKWNHEGVFLRSEAVAOQLWQKKNSNMTYERLISRAM
 Db 60 YYDKMILRKVSGQFVYKF 79
 Qy 335 YYKREILERVDSRRLVYKF 354

CC APPLICANT: Blair, Donald G.
 CC APPLICANT: Fisher, Robert J.
 CC APPLICANT: Beal Jr., Gregory J.
 CC APPLICANT: Athanasiou, Meropi A.
 CC APPLICANT: Sgouras, Dionysios N.
 TITLE OF INVENTION: The ERF Genetic Locus and Its Products
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 CC ADDRESSEE: Townsend and Townsend and Crew LLP
 CC STREET: Two Embarcadero Center, Eighth Floor
 CC CITY: San Francisco
 CC STATE: California
 CC ZIP: 94111-3834
 COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: Patentin Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/469,412A
 CC FILING DATE: 05-JUN-1995
 CC CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 CC NAME: Garrett-Wackowski, Eugenia
 CC REGISTRATION NUMBER: 37,330
 CC REFERENCE/DOCKET NUMBER: 015280-229000
 TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: (415) 576-0200
 CC TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 2:
 CC SEQUENCE CHARACTERISTICS:
 CC LENGTH: 548 amino acids
 CC TYPE: amino acid
 CC TOPOLOGY: linear
 MOLECULE TYPE: protein
 CC SEQUENCE:
 SQ 548 AA; 58776 MW; 1557180 CN;
 Query Match 11.3%; Score 306; DB 2; Length 548;
 Best Local Similarity 40.4%; Pred. No. 7.08e-16;
 Matches 36; Conservative 23; Mismatches 28; Indels 2; Gaps 2;
 Db 20 SSPSQRQIQWHLFELLRKEE-YOGVIAWQGDY-GEFYVTKDPDEVARLWGVRLCKPQMN 77
 Qy 266 SKHAPRGTHIWEFTRDILHPELNQEGLMKWENRHEGVFKFLSEAVAOQWQGOKKNSNMT 325
 Db 78 YDKSRLARLYYNNKILHKGKGKRTYKF 106
 Qy 326 YEKLSRAMYYKREILERVDGRLVYKE 354

RESULT 9
 ID US-08-469-412A-13 STANDARD: PRT; 78 AA.
 XX AC XXXXXX
 DT XX
 XX DE Sequence 13, Application US/08469412A
 CC Sequence 13, Application US/08469412A
 CC Patent No. 5856125
 CC GENERAL INFORMATION:
 CC APPLICANT: Mavrothalassitis, George J.
 CC APPLICANT: Blair, Donald G.
 CC APPLICANT: Fisher, Robert J.
 CC APPLICANT: Beal Jr., Gregory J.
 CC APPLICANT: Athanasiou, Meropi A.
 CC APPLICANT: Sgouras, Dionysios N.
 CC TITLE OF INVENTION: The ERF Genetic Locus and Its Products
 CC NUMBER OF SEQUENCES: 16
 CC CORRESPONDENCE ADDRESS:
 CC STREET: Two Embarcadero Center, Eighth Floor
 CC CITY: San Francisco
 CC STATE: California

CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/469,412A
 CC FILING DATE: 05-JUN-1995
 CC CLASSIFICATION: 435
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Garrett-Wackowski, Eugenia
 CC REGISTRATION NUMBER: 37,330
 CC REFERENCE/DOCKET NUMBER: 015280-229000
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: (415) 576-0200
 CC TELEPHONE: (415) 576-2200
 CC INFORMATION FOR SEQ ID NO: 11:
 CC SEQUENCE CHARACTERISTICS:
 CC LENGTH: 78 amino acids
 CC TYPE: amino acid
 CC STRANDEDNESS:
 CC TOPOLOGY: linear
 CC MOLECULE TYPE: peptide
 CC FEATURE:
 CC NAME/KEY: Domain
 CC LOCATION: 1..78
 CC OTHER INFORMATION: /note= "ETS1 homologous region to
 CC OTHER INFORMATION: ets-like ERF DNA-binding domain"
 CC SEQUENCE 78 AA: 9571 MW: 32616 CN:
 Query Match 9.9% Score 267; DB 2; Length 78;
 Best Local Similarity 37.0%; Pred. No. 1.32e-12; Indels 21; Gaps 3; Mismatches 30; Conservative 26; Mismatches 21; Indels 4; Gaps 3;
 Db 1 LWQDLELLTDKS CQSFISWIG-DGWEKLSPDDEVARRGKRNKAKNPKLSQL 57
 QY 275 LWEFIRDILHPELNEGLMKWENRHEG-VFKELNSEAVAQLGQKKNSNMTYKLSRAM 333
 Db 58 RYYDKNITHKTAGKRYVRF 78
 QY 334 RYYKREILERVDRRLVYKE 354
 QY 334 RYYKREILERVDRRLVYKE 354
 RESULT 13 ID US-08-469-412A-16 STANDARD; PRT: 81 AA.
 XX DT
 XX AC
 XX DT
 XX Sequence 16, Application US/08469412A
 CC GENERAL INFORMATION:
 CC Patent No. 5656125
 CC Sequence 15, Application US/08469412A
 CC GENERAL INFORMATION:
 CC Patent No. 5656125
 CC APPLICANT: Mavrothalassis, George J.
 CC APPLICANT: Blair, Donald G.
 CC APPLICANT: Fisher, Robert J.
 CC APPLICANT: Beal Jr., Gregory J.
 CC APPLICANT: Atlanastou, Meropi A.
 CC APPLICANT: Squaras, Dionysios N.
 CC TITLE OF INVENTION: The ERF Genetic Locus and Its Products
 CC NUMBER OF SEQUENCES: 16
 CC CORRESPONDENCE ADDRESS:
 CC ADDRESSEE: Townsend and Townsend and Crew LLP
 CC STREET: Two Embarcadero Center, Eighth Floor
 CC CITY: San Francisco
 CC STATE: California
 CC COUNTRY: USA
 CC ZIP: 94111-0834
 CC COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: Patentin Release #1.0, version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/625,322
 CC FILING DATE: 01-APR-1996
 CC CLASSIFICATION: 435
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Campbell, Kathryn A.
 CC REGISTRATION NUMBER: 31,815
 CC REFERENCE/DOCKET NUMBER: P-00D 1955
 CC TELECOMMUNICATION INFORMATION:

